

Application No. 10/518151
Reply to Action dated 11/20/09

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IN THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-9. (Canceled)

10. (Previously Presented) A high toughness die-cast product, comprising:

an Al-Mg casting alloy, consisting of

$3.5 \text{ wt \%} \leq \text{Mg} \leq 4.5 \text{ wt \%}$,

$0.8 \text{ wt \%} \leq \text{Mn} \leq 1.5 \text{ wt \%}$,

$\text{Si} < 0.5 \text{ wt \%}$,

$\text{Fe} < 0.5 \text{ wt \%}$,

wherein a sum (Ti + Zr) of the amounts of Ti and Zr added of equal to or greater than 0.3 wt %, and a ratio (Ti/Zr) of the amounts of Ti and Zr added of at least 0.3 but not more than 2, and

balance being Al and unavoidable impurities.

11. (Previously Presented) A die-cast product, comprising:

an Al-Mg casting alloy consisting of

$3.5 \text{ wt \%} \leq \text{Mg} \leq 4.5 \text{ wt \%}$,

$0.8 \text{ wt \%} \leq \text{Mn} \leq 1.5 \text{ wt \%}$,

$\text{Si} < 0.5 \text{ wt \%}$,

$\text{Fe} < 0.5 \text{ wt \%}$,

$\text{Ti} > 0.2 \text{ wt \%}$,

wherein a sum (Ti + Zr) of the amounts of Ti and Zr added of equal to or greater than 0.3 wt %, and a ratio (Ti/Zr) of the amounts of Ti and Zr added of at least 0.3 but not more than 2, and

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balance being Al and unavoidable impurities.

12. (Previously Presented) A die-cast product, comprising:

an Al-Mg casting alloy consisting of

$3.5 \text{ wt \%} \leq \text{Mg} \leq 4.5 \text{ wt \%}$,

$0.8 \text{ wt \%} \leq \text{Mn} \leq 1.5 \text{ wt \%}$,

$\text{Si} < 0.5 \text{ wt \%}$,

$\text{Fe} < 0.5 \text{ wt \%}$,

$\text{Zr} > 0.3 \text{ wt \%}$,

wherein a sum (Ti + Zr) of the amounts of Ti and Zr added of greater than 0.3 wt %, and a ratio (Ti/Zr) of the amounts of Ti and Zr added of at least 0.3 but not more than 2, and balance being Al and unavoidable impurities.